

ICDP – USGS WORKSHOP AGENDA
Deep Drilling in the Central Crater of the Chesapeake Bay Impact Structure
Reston, Virginia, USA
September 22-24, 2003

Monday, September 22nd -- Morning

Introduction and Review of Previous Investigations

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| 8:30-8:40 | Welcome: Workshop Conveners |
| 8:40-8:50 | Opening Remarks
Charles Groat, Director, U.S. Geological Survey |
| 8:50-9:00 | Opening Remarks
Patrick Leahy, Associate Director for Geology, U.S. Geological Survey |
| 9:00-9:15 | Meeting Logistics and Agenda Overview: Gregory Gohn, USGS |
| 9:15-9:45 | Unresolved Questions about Earth's Marine Impact Craters
Jay Melosh, University of Arizona |
| 9:45-10:15 | Review of Marine Seismic-reflection Surveys: Chesapeake Bay Crater
Wylie Poag, USGS |
| 10:15-10:40 | BREAK |
| 10:40-11:10 | Review of Drilling Programs: Chesapeake Bay Crater
David Powars, USGS |
| 11:10-11:40 | Review of Petrography, Geochemistry, and Geochronology: CB Crater
Wright Horton, USGS
Christian Koeberl, University of Vienna |
| 11:40-12:10 | Review of Hydrologic Issues and Research: Chesapeake Bay Crater
Randy McFarland, USGS |
| 12:10-1:15 | LUNCH |

Monday, September 22nd -- Afternoon

Site Characterization: Geophysical Surveys of the Central Crater

- 1:15-1:45 Gravity and Magnetic Surveys
 Anji Shah, U.S. Naval Research Laboratory
 David Daniels, USGS
- 1:45-2:15 On-land Seismic-reflection Surveys
 Rufus Catchings, USGS

Operational Issues

- 2:15-2:45 ICDP Support Group Capabilities
 Christian Koeberl, ICDP Science Advisory Group
- 2:45-3:15 DOSECC Drilling Capabilities
 Donald Thomas, DOSECC
- 3:15-3:40 BREAK

Scientific Issues

- 3:40-4:00 What can be learned about Solar System history from Chesapeake Bay
 Crater exploration?
 Alan Hildebrand, University of Calgary
- 4:00-5:00 Open Discussion:
 What are the first-order scientific questions about the inner crater
 of the Chesapeake Bay impact structure?
 Will deep drilling provide the answers to these questions?
 Moderator: Bevan French, Smithsonian Institution
- 5:00-5:30 BREAK
- 5:30-7:30 Poster and Core Examination Session

Tuesday, September 23, 2003

- 8:30-8:40 Announcements
- 8:40-9:10 Review of Post-impact Sedimentary, Climatic, and Tectonic History:
Kenneth Miller, Rutgers University
- 9:10-10:15 *A Scientific Drilling Program for the Central Crater*
Panel and Audience Discussion
Moderator: James Quick, USGS
- Panel: Kenneth Miller, Rutgers University
 Jay Melosh, University of Arizona
 Christian Koeberl, University of Vienna
 Jens Ormö, Centro de Astrobiología
- Issues: Scientific Objectives
 Scientific Experiments
 Drilling Strategy
 Site Selection
 Funding
 Logistics
- 10:15-10:45 BREAK
- 10:45-11:45 Continue Panel and Audience Discussion
- 11:45-12:00 Organize Working Group Sessions: Gregory Gohn, USGS
- 12:00-1:15 LUNCH
- Break-out Sessions: Scientific and Operational Working Groups*
- 1:15-3:00 Working Group Sessions
- 3:00-3:30 BREAK
- 3:30-4:45 Working Group Sessions continue
- 4:45-5:00 Announcements
 Review Wednesday Agenda

Wednesday, September 24, 2003

Working Group Reports

8:30-10:15 Reports (15 min.) from Working Groups

10:15-10:45 BREAK

10:45-11:45 Discussion of Standing Working Groups
 Discussion of Workshop Report

11:45-1:00 LUNCH

1:00-2:00 Discussion of ICDP Proposal
 Wrap-up

END